

RAW SEQUENCE LISTING

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Application Serial Number: 10/546,829
Source: PCT
Date Processed by STIC: 09/07/2005

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/546,829

DATE: 09/07/2005

TIME: 14:46:39

Input Set : A:\FS04-408PCT sequence.ST25.txt
 Output Set: N:\CRF4\09072005\J546829.raw

3 <110> APPLICANT: Japan Science and Technology Agency
 5 <120> TITLE OF INVENTION: A transcriptional factor inducing apoptosis of cancer cells
 7 <130> FILE REFERENCE: FS04-408PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/546,829
 C--> 9 <141> CURRENT FILING DATE: 2005-08-25
 9 <160> NUMBER OF SEQ ID NOS: 11
 11 <170> SOFTWARE: PatentIn version 3.3
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 393
 15 <212> TYPE: PRT
 16 <213> ORGANISM: Homo sapiens
 18 <400> SEQUENCE: 1
 20 Met Glu Glu Pro Gln Ser Asp Pro Ser Val Glu Pro Pro Leu Ser Gln
 21 1 5 10 15
 24 Glu Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu Asn Asn Val Leu
 25 20 25 30
 28 Ser Pro Leu Pro Ser Gln Ala Met Asp Asp Leu Met Leu Ser Pro Asp
 29 35 40 45
 32 Asp Ile Glu Gln Trp Phe Thr Glu Asp Pro Gly Pro Asp Glu Ala Pro
 33 50 55 60
 36 Arg Met Pro Glu Ala Ala Pro Arg Val Ala Pro Ala Pro Ala Ala Pro
 37 65 70 75 80
 40 Thr Pro Ala Ala Pro Ala Pro Ser Trp Pro Leu Ser Ser Ser
 41 85 90 95
 44 Val Pro Ser Gln Lys Thr Tyr Gln Gly Ser Tyr Gly Phe Arg Leu Gly
 45 100 105 110
 48 Phe Leu His Ser Gly Thr Ala Lys Ser Val Thr Cys Thr Tyr Ser Pro
 49 115 120 125
 52 Ala Leu Asn Lys Met Phe Cys Gln Leu Ala Lys Thr Cys Pro Val Gln
 53 130 135 140
 56 Leu Trp Val Asp Ser Thr Pro Pro Pro Gly Thr Arg Val Arg Ala Met
 57 145 150 155 160
 60 Ala Ile Tyr Lys Gln Ser Gln His Met Thr Glu Val Val Arg Arg Cys
 61 165 170 175
 64 Pro His His Glu Arg Cys Ser Asp Ser Asp Gly Leu Ala Pro Pro Gln
 65 180 185 190
 68 His Leu Ile Arg Val Glu Gly Asn Leu Arg Val Glu Tyr Leu Asp Asp
 69 195 200 205
 72 Arg Asn Thr Phe Arg His Ser Val Val Val Pro Tyr Glu Pro Pro Glu
 73 210 215 220
 76 Val Gly Ser Asp Cys Thr Thr Ile His Tyr Asn Tyr Met Cys Asn Ser
 77 225 230 235 240
 80 Ser Cys Met Gly Gly Met Asn Arg Arg Pro Ile Leu Thr Ile Ile Thr

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81 245 250 255
 84 Leu Glu Asp Ser Ser Gly Asn Leu Leu Gly Arg Asn Ser Phe Glu Val
 85 260 265 270
 88 His Val Cys Ala Cys Pro Gly Arg Asp Arg Arg Thr Glu Glu Glu Asn
 89 275 280 285
 92 Leu Arg Lys Lys Gly Glu Pro His His Glu Leu Pro Pro Gly Ser Thr
 93 290 295 300
 96 Lys Arg Ala Leu Pro Asn Asn Thr Ser Ser Ser Pro Gln Pro Lys Lys
 97 305 310 315 320
 100 Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg Glu
 101 325 330 335
 104 Arg Phe Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys Asp
 105 340 345 350
 108 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
 109 355 360 365
 112 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
 113 370 375 380
 116 Phe Lys Thr Glu Gly Pro Asp Ser Asp
 117 385 390
 120 <210> SEQ ID NO: 2
 121 <211> LENGTH: 1675
 122 <212> TYPE: PRT
 123 <213> ORGANISM: Homo sapiens
 125 <400> SEQUENCE: 2
 127 Met Ala Gln Ile Leu Pro Ile Arg Phe Gln Glu His Leu Gln Leu Gln
 128 1 5 10 15
 131 Asn Leu Gly Ile Asn Pro Ala Asn Ile Gly Phe Ser Thr Leu Thr Met
 132 20 25 30
 135 Glu Ser Asp Lys Phe Ile Cys Ile Arg Glu Lys Val Gly Glu Gln Ala
 136 35 40 45
 139 Gln Val Val Ile Ile Asp Met Asn Asp Pro Ser Asn Pro Ile Arg Arg
 140 50 55 60
 143 Pro Ile Ser Ala Asp Ser Ala Ile Met Asn Pro Ala Ser Lys Val Ile
 144 65 70 75 80
 147 Ala Leu Lys Ala Gly Lys Thr Leu Gln Ile Phe Asn Ile Glu Met Lys
 148 85 90 95
 151 Ser Lys Met Lys Ala His Thr Met Thr Asp Asp Val Thr Phe Trp Lys
 152 100 105 110
 155 Trp Ile Ser Leu Asn Thr Val Ala Leu Val Thr Asp Asn Ala Val Tyr
 156 115 120 125
 159 His Trp Ser Met Glu Gly Glu Ser Gln Pro Val Lys Met Phe Asp Arg
 160 130 135 140
 163 His Ser Ser Leu Ala Gly Cys Gln Ile Ile Asn Tyr Arg Thr Asp Ala
 164 145 150 155 160
 167 Lys Gln Lys Trp Leu Leu Leu Thr Gly Ile Ser Ala Gln Gln Asn Arg
 168 165 170 175
 171 Val Val Gly Ala Met Gln Leu Tyr Ser Val Asp Arg Lys Val Ser Gln
 172 180 185 190
 175 Pro Ile Glu Gly His Ala Ala Ser Phe Ala Gln Phe Lys Met Glu Gly

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176 195 200 205
 179 Asn Ala Glu Glu Ser Thr Leu Phe Cys Phe Ala Val Arg Gly Gln Ala
 180 210 215 220
 183 Gly Gly Lys Leu His Ile Ile Glu Val Gly Thr Pro Pro Thr Gly Asn
 184 225 230 235 240
 187 Gln Pro Phe Pro Lys Lys Ala Val Asp Val Phe Phe Pro Pro Glu Ala
 188 245 250 255
 191 Gln Asn Asp Phe Pro Val Ala Met Gln Ile Ser Glu Lys His Asp Val
 192 260 265 270
 195 Val Phe Leu Ile Thr Lys Tyr Gly Tyr Ile His Leu Tyr Asp Leu Glu
 196 275 280 285
 199 Thr Gly Thr Cys Ile Tyr Met Asn Arg Ile Ser Gly Glu Thr Ile Phe
 200 290 295 300
 203 Val Thr Ala Pro His Glu Ala Thr Ala Gly Ile Ile Gly Val Asn Arg
 204 305 310 315 320
 207 Lys Gly Gln Val Leu Ser Val Cys Val Glu Glu Glu Asn Ile Ile Pro
 208 325 330 335
 211 Tyr Ile Thr Asn Val Leu Gln Asn Pro Asp Leu Ala Leu Arg Met Ala
 212 340 345 350
 215 Val Arg Asn Asn Leu Ala Gly Ala Glu Glu Leu Phe Ala Arg Lys Phe
 216 355 360 365
 219 Asn Ala Leu Phe Ala Gln Gly Asn Tyr Ser Glu Ala Ala Lys Val Ala
 220 370 375 380
 223 Ala Asn Ala Pro Lys Gly Ile Leu Arg Thr Pro Asp Thr Ile Arg Arg
 224 385 390 395 400
 227 Phe Gln Ser Val Pro Ala Gln Pro Gly Gln Thr Ser Pro Leu Leu Gln
 228 405 410 415
 231 Tyr Phe Gly Ile Leu Leu Asp Gln Gly Gln Leu Asn Lys Tyr Glu Ser
 232 420 425 430
 235 Leu Glu Leu Cys Arg Pro Val Leu Gln Gln Gly Arg Lys Gln Leu Leu
 236 435 440 445
 239 Glu Lys Trp Leu Lys Glu Asp Lys Leu Glu Cys Ser Glu Glu Leu Gly
 240 450 455 460
 243 Asp Leu Val Lys Ser Val Asp Pro Thr Leu Ala Leu Ser Val Tyr Leu
 244 465 470 475 480
 247 Arg Ala Asn Val Pro Asn Lys Val Ile Gln Cys Phe Ala Glu Thr Gly
 248 485 490 495
 251 Gln Val Gln Lys Ile Val Leu Tyr Ala Lys Lys Val Gly Tyr Thr Pro
 252 500 505 510
 255 Asp Trp Ile Phe Leu Leu Arg Asn Val Met Arg Ile Ser Pro Asp Gln
 256 515 520 525
 259 Gly Gln Gln Phe Ala Gln Met Leu Val Gln Asp Glu Glu Pro Leu Ala
 260 530 535 540
 263 Asp Ile Thr Gln Ile Val Asp Val Phe Met Glu Tyr Asn Leu Ile Gln
 264 545 550 555 560
 267 Gln Cys Thr Ala Phe Leu Leu Asp Ala Leu Lys Asn Asn Arg Pro Ser
 268 565 570 575
 271 Glu Gly Pro Leu Gln Thr Arg Leu Leu Glu Met Asn Leu Met His Ala
 272 580 585 590

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275 Pro Gln Val Ala Asp Ala Ile Leu Gly Asn Gln Met Phe Thr His Tyr
276 595 600 605
279 Asp Arg Ala His Ile Ala Gln Leu Cys Glu Lys Ala Gly Leu Leu Gln
280 610 615 620
283 Arg Ala Leu Glu His Phe Thr Asp Leu Tyr Asp Ile Lys Arg Ala Val
284 625 630 635 640
287 Val His Thr His Leu Leu Asn Pro Glu Trp Leu Val Asn Tyr Phe Gly
288 645 650 655
291 Ser Leu Ser Val Glu Asp Ser Leu Glu Cys Leu Arg Ala Met Leu Ser
292 660 665 670
295 Ala Asn Ile Arg Gln Asn Leu Gln Ile Cys Val Gln Val Ala Ser Lys
296 675 680 685
299 Tyr His Glu Gln Leu Ser Thr Gln Ser Leu Ile Glu Leu Phe Glu Ser
300 690 695 700
303 Phe Lys Ser Phe Glu Gly Leu Phe Tyr Phe Leu Gly Ser Ile Val Asn
304 705 710 715 720
307 Phe Ser Gln Asp Pro Asp Val His Phe Lys Tyr Ile Gln Ala Ala Cys
308 725 730 735
311 Lys Thr Gly Gln Ile Lys Glu Val Glu Arg Ile Cys Arg Glu Ser Asn
312 740 745 750
315 Cys Tyr Asp Pro Glu Arg Val Lys Asn Phe Leu Lys Glu Ala Lys Leu
316 755 760 765
319 Thr Asp Gln Leu Pro Leu Ile Ile Val Cys Asp Arg Phe Asp Phe Val
320 770 775 780
323 His Asp Leu Val Leu Tyr Leu Tyr Arg Asn Asn Leu Gln Lys Tyr Ile
324 785 790 795 800
327 Glu Ile Tyr Val Gln Lys Val Asn Pro Ser Arg Leu Pro Val Val Ile
328 805 810 815
331 Gly Gly Leu Leu Asp Val Asp Cys Ser Glu Asp Val Ile Lys Asn Leu
332 820 825 830
335 Ile Leu Val Val Arg Gly Gln Phe Ser Thr Asp Glu Leu Val Ala Glu
336 835 840 845
339 Val Glu Lys Arg Asn Arg Leu Lys Leu Leu Pro Trp Leu Glu Ala
340 850 855 860
343 Arg Ile His Glu Gly Cys Glu Glu Pro Ala Thr His Asn Ala Leu Ala
344 865 870 875 880
347 Lys Ile Tyr Ile Asp Ser Asn Asn Asn Pro Glu Arg Phe Leu Arg Glu
348 885 890 895
351 Asn Pro Tyr Tyr Asp Ser Arg Val Val Gly Lys Tyr Cys Glu Lys Arg
352 900 905 910
355 Asp Pro His Leu Ala Cys Val Ala Tyr Glu Arg Gly Gln Cys Asp Leu
356 915 920 925
359 Glu Leu Ile Asn Val Cys Asn Glu Asn Ser Leu Phe Lys Ser Leu Ser
360 930 935 940
363 Arg Tyr Leu Val Arg Arg Lys Asp Pro Glu Leu Trp Gly Ser Val Leu
364 945 950 955 960
367 Leu Glu Ser Asn Pro Tyr Arg Arg Pro Leu Ile Asp Gln Val Val Gln
368 965 970 975
371 Thr Ala Leu Ser Glu Thr Gln Asp Pro Glu Glu Val Ser Val Thr Val

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372	980	985	990
375	Lys Ala Phe Met Thr Ala Asp Leu	Pro Asn Glu Leu Ile	Glu Leu Leu
376	995	1000	1005
379	Glu Lys Ile Val Leu Asp Asn	Ser Val Phe Ser Glu	His Arg Asn
380	1010	1015	1020
383	Leu Gln Asn Leu Leu Ile Leu	Thr Ala Ile Lys Ala	Asp Arg Thr
384	1025	1030	1035
387	Arg Val Met Glu Tyr Ile Asn	Arg Leu Asp Asn Tyr	Asp Ala Pro
388	1040	1045	1050
391	Asp Ile Ala Asn Ile Ala	Ile Ser Asn Glu Leu	Phe Glu Glu Ala
392	1055	1060	1065
395	Phe Ala Ile Phe Arg Lys	Phe Asp Val Asn Thr	Ser Ala Val Gln
396	1070	1075	1080
399	Val Leu Ile Glu His Ile Gly	Asn Leu Asp Arg Ala	Tyr Glu Phe
400	1085	1090	1095
403	Ala Glu Arg Cys Asn Glu	Pro Ala Val Trp Ser	Gln Leu Ala Lys
404	1100	1105	1110
407	Ala Gln Leu Gln Lys Gly	Met Val Lys Glu Ala	Ile Asp Ser Tyr
408	1115	1120	1125
411	Ile Lys Ala Asp Asp Pro	Ser Ser Tyr Met Glu	Val Val Gln Ala
412	1130	1135	1140
415	Ala Asn Thr Ser Gly Asn	Trp Glu Glu Leu Val	Lys Tyr Leu Gln
416	1145	1150	1155
419	Met Ala Arg Lys Lys Ala	Arg Glu Ser Tyr Val	Glu Thr Glu Leu
420	1160	1165	1170
423	Ile Phe Ala Leu Ala Lys	Thr Asn Arg Leu Ala	Glu Leu Glu Glu
424	1175	1180	1185
427	Phe Ile Asn Gly Pro Asn	Asn Ala His Ile Gln	Gln Val Gly Asp
428	1190	1195	1200
431	Arg Cys Tyr Asp Glu Lys	Met Tyr Asp Ala Ala	Lys Leu Leu Tyr
432	1205	1210	1215
435	Asn Asn Val Ser Asn Phe	Gly Arg Leu Ala Ser	Thr Leu Val His
436	1220	1225	1230
439	Leu Gly Glu Tyr Gln Ala	Ala Val Asp Gly Ala	Arg Lys Ala Asn
440	1235	1240	1245
443	Ser Thr Arg Thr Trp Lys	Glu Val Cys Phe Ala	Cys Val Asp Gly
444	1250	1255	1260
447	Lys Glu Phe Arg Leu Ala	Gln Met Cys Gly Leu	His Ile Val Val
448	1265	1270	1275
451	His Ala Asp Glu Leu Glu	Glu Leu Ile Asn Tyr	Tyr Gln Asp Arg
452	1280	1285	1290
455	Gly Tyr Phe Glu Glu Leu	Ile Thr Met Leu Glu	Ala Ala Leu Gly
456	1295	1300	1305
459	Leu Glu Arg Ala His Met	Gly Met Phe Thr Glu	Leu Ala Ile Leu
460	1310	1315	1320
463	Tyr Ser Lys Phe Lys Pro	Gln Lys Met Arg Glu	His Leu Glu Leu
464	1325	1330	1335
467	Phe Trp Ser Arg Val Asn	Ile Pro Lys Val Leu	Arg Ala Ala Glu
468	1340	1345	1350

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/546,829

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TIME: 14:46:40

Input Set : A:\FS04-408PCT sequence.ST25.txt

Output Set: N:\CRF4\09072005\J546829.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date